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DATE MAILED: 03/08/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/628,401	07/29/2003	Hiroshi Inoue	Q76719	3990
23373 75	590 03/08/2005		EXAM	INER
SUGHRUE MION, PLLC			MOUTTET, BLAISE L	
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037		.w.	ART UNIT	PAPER NUMBER
			2853	
	, 20 20007		2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

4.4

	Application No.	Applicant(s)		
	10/628,401	INOUE, HIROSHI		
Office Action Summary	Examiner	Art Unit		
	Blaise L. Mouttet	2853		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address		
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be timed within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
 Responsive to communication(s) filed on 18 Fee This action is FINAL. Since this application is in condition for allowar closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4) ☐ Claim(s) 1-24 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 2 is/are rejected. 7) ☐ Claim(s) 3-24 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	vn from consideration.			
Application Papers				
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 29 July 2003 is/are: a) Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Ex	☑ accepted or b)☐ objected to be drawing(s) be held in abeyance. See tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do State of Informal F			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States
- 1. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Field et al. US 5,969,736.

Field et al. discloses, regarding claim 1, a liquid ejecting device comprising:

a liquid ejecting head (2), including an array of plural ejection nozzles (7) for ejecting liquid at an ejecting amount controlled individually from one another (column 6, lines 13-22, as explained by Field et al. nozzles 7 are individually controlled by respective firing elements 6);

a supply tank (22), loaded with the liquid, for supplying the liquid ejecting head (2) with the liquid (column 6, lines 37-39);

at least one pressure sensor (56) for measuring atmospheric pressure and inner pressure of the liquid ejecting head (2) (column 15, lines 51-67); and

a controller (66) for setting a pressure difference between the atmospheric pressure and the inner pressure at a predetermined value by adjustment (column 5, lines 35-38, column 16, lines 14-20).

Regarding claim 2, the predetermined value (predetermined pressure differential) is a reference value for regularizing the ejecting amount (column 5, lines 35-50).

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Allowable Subject Matter

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2. Claims 3-24 are objected to as being dependent upon a rejected base claim, but

would be allowable if rewritten in independent form including all of the limitations of the

base claim and any intervening claims for the reasons as indicated in the office action of

November 18, 2004.

Response to Arguments

3. Applicant's arguments filed February 18, 2005 have been fully considered but

they are not persuasive.

The applicant has argued that the sensor 56 of Field et al. measures the

pressure within an ink supply channel rather than of a liquid ejecting head and does not

measure atmospheric pressure directly.

This is not persuasive because the ink supply channel (16) is formed integrally

with the head and is thus part of the head (2) (see figure 1A). Thus the pressure of the

ink supply channel is the pressure of the head. Field et al. also specifically states that

this sensor uses atmospheric pressure as a reference for the differential pressure

measurement (column 15, lines 51-67).

Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time

policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Blaise Mouttet who may be reached at telephone number (571) 272-2150. The examiner can normally be reached on Monday-Friday from 8:30 a.m. to 5:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier, Art Unit 2853, can be reached at (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

LAMSON NGUYEN PRIMARY EXAMINER

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Blaise Mouttet March 01, 2005

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